SPE RESPONSE FOR CERTIFICATE OF CORRECTION

DATE : 5-14-09 Paper No.: _____

TO SPE OF : ART UNIT ~~2616~~ 2665

SUBJECT : Request for Certificate of Correction for Appl. No.: 09/839721 Patent No.: 7035241

Please respond to this request for a certificate of correction within 7 days.

FOR IFW FILES: Should cofc be approved

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced; nor should the scope or meaning of the claims be changed.

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SPE 2419 Art Unit

DUPLICATE

DOCKET NO.: WEST14-00030 PATENT
Customer No.: 23990

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No.	:	7,035,241 B2
Inventor(s)	:	Paul F. Struhsaker
Issued	:	April 25, 2006
Title	:	METHOD FOR ESTABLISHING A PRIORITY CALL IN A FIXED WIRELESS ACCESS COMMUNICATION SYSTEM

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REQUEST FOR CERTIFICATE OF CORRECTION

Certain clerical or typographical errors were noted in the above-identified patent as indicated on the attached Certificate of Correction.

Applicant respectfully requests that a Certificate of Correction be issued pursuant to 37 C.F.R. §1.322. The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account Number 50-0208.

Respectfully submitted,

MUNCK BUTRUS, P.C.

Date: Jan. 12, 2007

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PTO/SB/44 (04-04)
Approved for use through 04/30/2007. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,035,241 B2

DATED : April 25, 2006

INVENTOR(S) : Paul F. Struhsaker

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, line 13, delete "." after the term "operable" and replace with -- ; --;

Column 8, line 14, delete "Figure 2 illustrates an exemplary data frame, as defined by the fixed wireless access network in Figure 1, according to an embodiment of the present invention" and replace with -- Figure 2 illustrates exemplary portions of a communication system to illustrate the operation of an embodiment of the present invention --;

Column 8, line 19, delete "." after the term "FIG. 1" and replace with -- ; and --.

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PATENT NO. 7,035,241 B2

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,035,241 B2

DATED : April 25, 2006

INVENTOR(S) : Paul F. Struhsaker

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Drawings, please replace FIG. 3 and FIG. 4 with the following drawings:

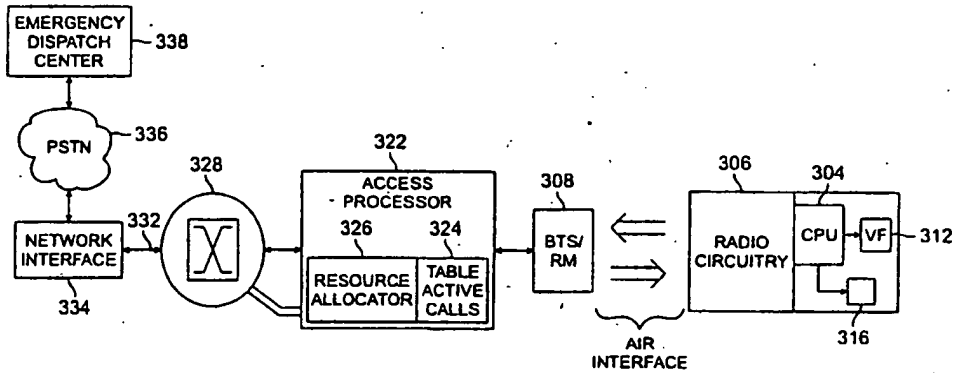

FIG. 3

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,035,241 B2

DATED : April 25, 2006

INVENTOR(S) : Paul F. Struhsaker

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

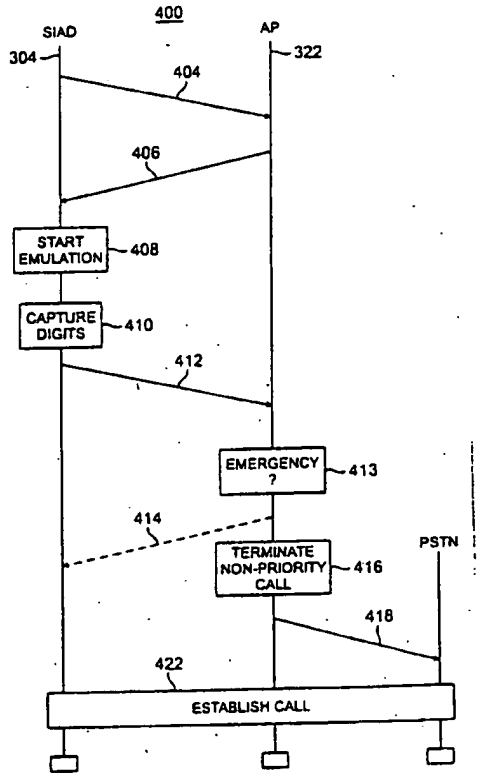

FIG. 4

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response indicating whether communication resources are available in the communication system to establish the call of indeterminate priority is returned to the subscriber station.

A response detector at the subscriber station is coupled to receive indications of the response to the call establishment message. Indication of whether communication resources are available to establish the call is detected thereat. If communication resources are unavailable, a call set-up emulator is operable to emulate at the subscriber station normal call set-up operations. To the user of the subscriber station at which the call is initiated, call set-up operations appear to be normally progressing.

Dialing digits associated with the terminating station with which the call is to be established are entered at the subscriber station. A dialing digit signal is then sent to the network infrastructure. Determination is made at the network infrastructure of the priority to be associated with the call which is to be established. If the call is a priority call, such as a call to an emergency dispatch center, e.g., indicated by a pseudo-universal dialing code, such as 9-1-1, resource reallocations are effectuated to permit the establishment of the call. Thereafter, the call is established.

In one implementation, apparatus is provided for a subscriber station operable in the FWA system. A call set-up emulator is selectably operable to emulate normal call set-up operations at the subscriber station even when communication resources are not initially available to establish a call by the subscriber station. A dial-tone generator generates a dial tone audibly detectable by the user of the subscriber station in which the call is originated. Dialing digits associated with the call originated at the subscriber station are also enterable in apparent normal fashion at the subscriber station. Upon subsequent reallocation of communication resources in the FWA communication system, the call establishment commences in normal manner.

In a further implementation, apparatus is provided for the network infrastructure of the FWA system, such as at an access processor or base transceiver station of the system. A detector is coupled to detect a call establishment message transmitted to the network infrastructure. Responsive to receipt of the call establishment message, determinations are made of the availability of communication resources to establish a call in the communication system. A response is then sent to the originating subscriber station. Thereafter, indications of the identity of the terminating station to which a call is to be established are received at the network infrastructure. If the identify of the terminating station indicates that the call is a priority call, reallocation of communication resources is made, if necessary, to permit the establishment of the call. If communication resources are not otherwise available, an ongoing communication session is terminated to provide the communication resources to effectuate the call.

In these and another aspects, therefore, a method is provided for a multi-user FWA (fixed wireless access) communication system in which a plurality of subscriber stations are operable to communicate by way of radio links with network infrastructure to which a correspondent node is coupled. A call of a selected call-type is selectably originated at a selected subscriber station. A call establishment message is generated for communication to the network infrastructure to initiate call set-up procedures which precurse a request to establish the call between the selected subscriber station and the correspondent node. Detection is made as to whether a response to the call establishment message indicates that communication resources are available to establish the call. Normal call set-up operations are emulated at the selected subscriber station at least for a selected period to responsive to detection communication resource unavailability to establish the call.

The present invention will be better understood when read in light of the accompanying drawings which are described in the detailed description hereinbelow and in light of the claims appended hereto.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** illustrates a functional block diagram of an exemplary fixed wireless access (FWA) network in which an embodiment of the present invention is operable.

FIG. **2** illustrates an exemplary data frame, as defined by the fixed wireless access network in FIG. **1**, according to an embodiment of the present invention;

FIG. **3** illustrates a functional block diagram of portions of the fixed wireless access communication system shown in FIG. **1**.

FIG. **4** illustrates a message sequence diagram exemplary of signaling generated during operation of the communication system shown in FIGS. **1** and **3** pursuant to an embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

Referring first to FIG. **1**, a communication system, shown generally at **10**, provides for communications with the subscriber stations, of which the subscriber station **12** is exemplary. Communications are effectuated with the subscriber station by way of radio links formed upon an air interface **14**. Data originated at an appropriately-positioned subscriber station can be communicated to a correspondent node, **16** by way of a communication path by way of the radio links formed upon the air interface. Data originated at the correspondent node **16** can be communicated upon a communication path formed between a correspondent node and a subscriber station. Two-way communication between the subscriber station and the correspondent node is thereby possible.

In the exemplary implementation, the communication system **10** forms a fixed wireless access (FWA) system coupled to a network backbone, of which the combined path data network (PDN) and public-switched telephonic network (PSTN) **18** is representative in the figure.

While the following description of operation of an embodiment of the present invention shall describe its operation with respect to the exemplary implementation of the communication system shown in the figure, it should be understood that operation of an embodiment of the present invention is analogously also operable in other types of communication systems which use concentration techniques or otherwise are susceptible to access limitations.

The fixed wireless access system includes a plurality of base transceiver stations of which the base transceiver/remote modem (BTS/RM) **22** shown in the figure is exemplary. Each base transceiver station defines a cell. Here, the base transceiver station **22** defines a cell **24**. The subscriber station **12** is here positioned at a location encompassed by the cell **24**. A plurality of other subscriber stations are also positionable at locations encompassed by the cell **24**. And, other subscriber stations positioned in other cells defined by other base transceiver stations typically form parts of a fixed wireless access communication system.

Concentration techniques are used in system construction. That is to say, system construction permits a high ratio of

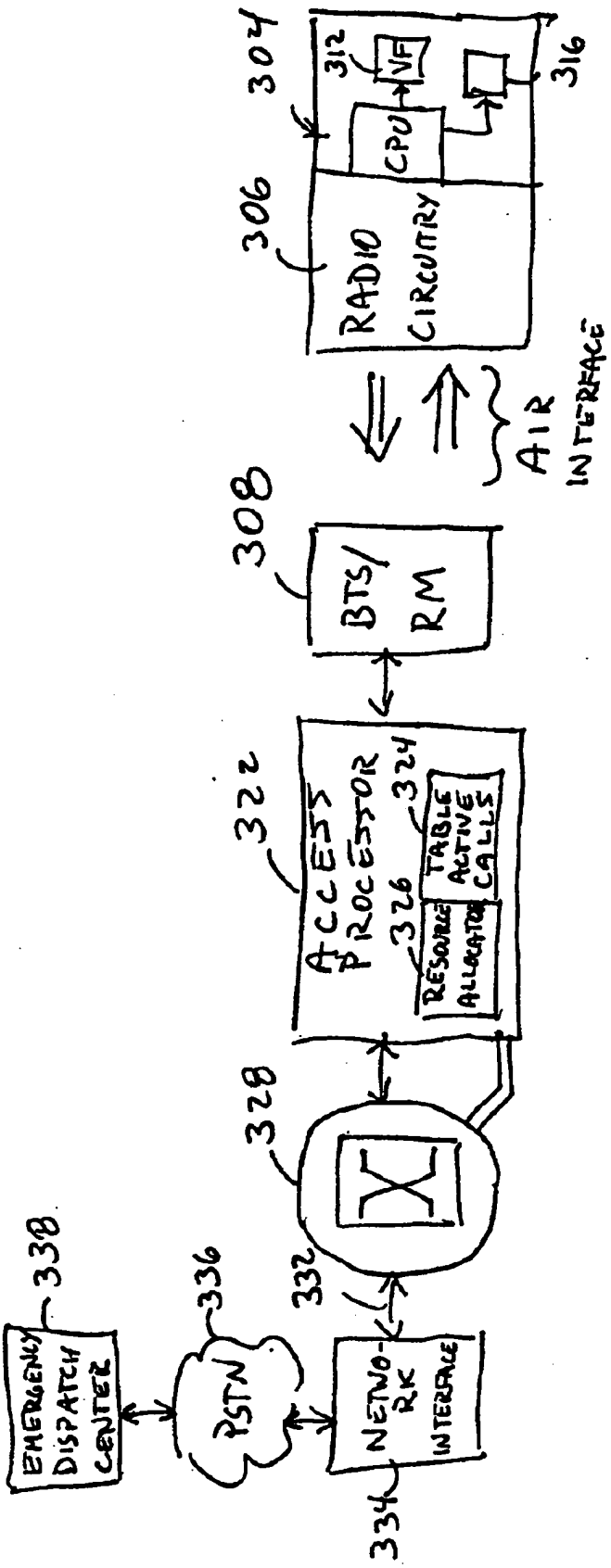
304
312
VF
CPU
316
306
RADIO CIRCUITRY
AIR INTERFACE
308
BTS/ RM
322
ACCESS PROCESSOR
324
TABLE ACTIVE CALLS
326
RESOURCE ALLOCATOR
328
332
NETWORK INTERFACE
334
PSTN
336
EMERGENCY DISPATCH CENTER
338

FIG. 3

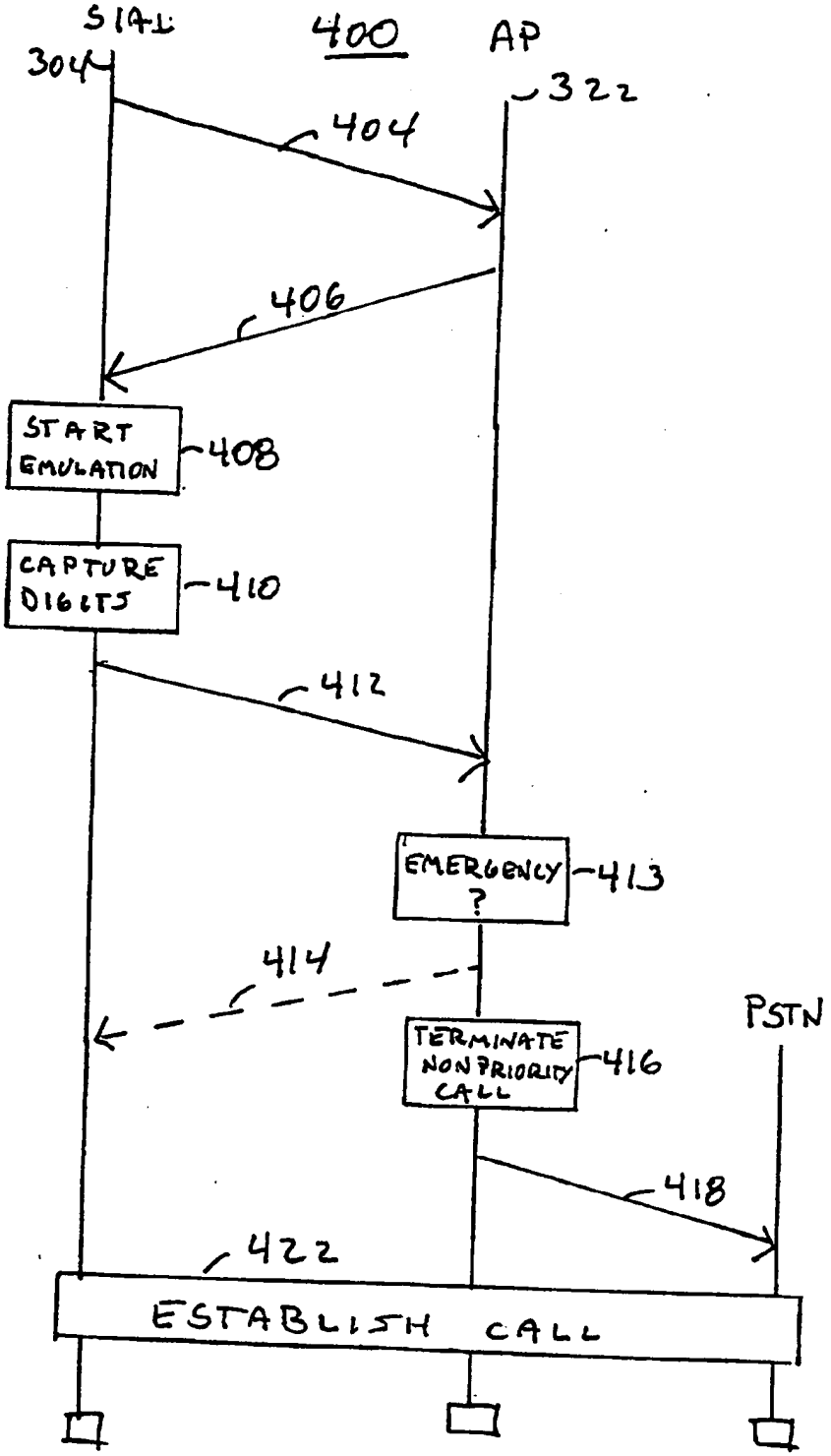
SIAL
304
400
AP
322
404
406
START EMULATION
408
CAPTURE DIGITS
410
412
EMERGENCY ?
413
414
TERMINATE NON PRIORITY CALL
416
PSTN
418
422
ESTABLISH CALL

FIG. 4